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Approved for use through 10/31/2002. OMB 0851-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

C mplete if Known

Application Number:

Filing Date:

First Named Inventor: M. Seul, et al.

Group Art Unit:

Examiner Name:

SHEET 1 OF 1

Attorney Docket Number:

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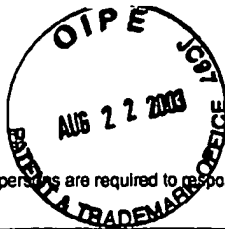
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| Examiner Initials | Foreign Patent Documents | | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | | Translation |
| | Office | Number | Kind Code (if known) | | | | |
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PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

SHEET 1 OF 12

Complete If Known

Application Number: 09/768,414

Filing Date: 01/24/2001

First Named Inventor: M. Seul, et al.

Group Art Unit: 1641

Examiner Name:

Attorney Docket Number: PARSE-con2

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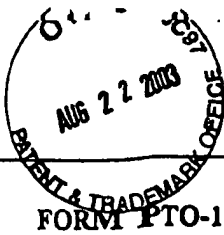
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| Examiner Signature | <u>[Signature]</u> | Date Considered | <u>6/24/04</u> |
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| FORM PTO-1449 INFORMATION DISCLOSURE CITATION | | Attorney Docket: PARSE 622 | Serial No.: 09/768,414 | | | |
| | | Applicant: Seul et al. | | | | |
| | | Filing Date: 1/24/2001 | Group 1 | | | |
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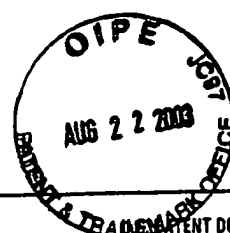
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| PMD | WO 93/02360 | 02/04/93 | PCT | | | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| | WO 96/03212 | 02/08/96 | PCT | | | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| PMD | 1,248,873 | 01/17/89 | Canada | | | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| | WO 93/06121 | 04/01/93 | PCT | | | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| | | | | | | <input type="checkbox"/> Yes <input type="checkbox"/> No |

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| | Materials from Freedom of Information Act pertaining to David R. Walt |
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| Examiner <i>[Signature]</i> | Date Considered 6/24/04 |
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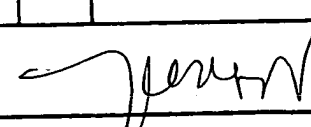
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| FORM PTO-1449 (REV. 7-80) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO.: PARSE-con2 | | SERIAL NO.: 09/768,414 | |
| LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary) | | | | APPLICANT(S): SEUL, Michael | | | |
| FILING DATE: 1/24/2001 | | | | GROUP: TECH CENTER 1600/2900 AUG 25 2003 | | | |



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| PM | AA | 4 | 4 | 9 | 9 | 0 | 5 | 2 | 2/12/85 | Fuhrwyler | 422 | 52 | 8/30/82 | |
| | AB | 4 | 6 | 4 | 7 | 5 | 4 | 4 | 3/3/87 | Nicoß et al. | 436 | 518 | 6/25/85 | |
| | AC | 4 | 8 | 2 | 2 | 7 | 4 | 8 | 4/18/89 | Walt | 436 | 528 | 6/25/86 | |
| | AD | 4 | 9 | 9 | 4 | 3 | 7 | 3 | 2/18/91 | Stevianopoulos et al. | 435 | 8 | 7/20/89 | |
| | AE | 5 | 0 | 0 | 2 | 8 | 6 | 7 | 3/26/91 | Macevitz | 435 | 8 | 10/24/88 | |
| | AF | 5 | 0 | 2 | 8 | 5 | 4 | 5 | 7/2/91 | Soini | 436 | 501 | 6/9/88 | |
| | AG | 5 | 1 | 0 | 5 | 3 | 0 | 5 | 4/14/92 | Betzig | 359 | 368 | 1/10/91 | |
| | AH | 5 | 1 | 1 | 4 | 8 | 6 | 4 | 5/19/92 | Walt | 436 | 528 | 8/19/89 | |
| | AI | 5 | 1 | 3 | 2 | 2 | 4 | 2 | 7/21/92 | Chaung | 436 | 501 | 11/13/89 | |
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| | AM | 0 | 4 | 7 | 8 | 3 | 1 | 9 | 4/1/92 | EP | C12Q | 1/88 | | X | |
| | AN | 0 | 7 | 2 | 3 | 1 | 4 | 8 | 7/24/96 | EP | G01N | 21/84 | | X | |
| | AO | 8 | 9 | 1 | 1 | 1 | 0 | 1 | 11/18/89 | PCT | G01N | 33/546 | | X | |
| PM | AP | 9 | 3 | 0 | 2 | 3 | 6 | 0 | 2/4/93 | PCT | G01N | 33/536 | | X | |

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| | AR | Peterson, et al. "Fiber-Optic Sensors for Biomedical Applications," Science, 13: 123-127 (1984). |
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(REV. 7-80)

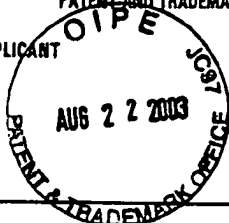
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PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.: 1

SERIAL NO.:

LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)



PARSE-002

APPLICANT(S): SEUL, Michael

FILING DATE: 1/24/2001

04/17/98 414

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U.S. PATENT DOCUMENTS

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| | BM | 9 3 2 4 5 1 7 | 12/9/93 | PCT | C07K | | | X |
| | BN | 9 7 1 4 0 2 8 | 4/17/97 | PCT | G01N | 15/10 | | X |
| | BO | | | | | | | |
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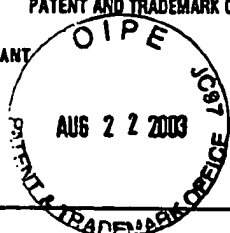
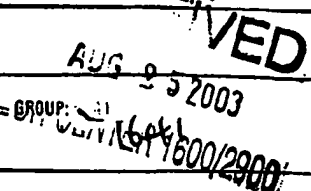
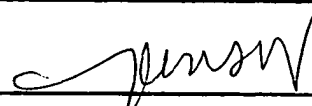
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| LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary) | | | | RECEIVED AUG 25 2003 TECH CENTER 1600/2900 | | | |
| AUG 22 2003 PATENT AND TRADEMARK OFFICE | | | | FILING DATE: 6/24/2001 | | | |
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| | CB | 5 8 1 4 5 2 4 | 8/28/98 | Walt et al. | 438 | 518 | 12/14/95 |
| | CC | 5 4 9 8 9 8 7 | 3/5/98 | Pope | 250 | 227.21 | 1/3/94 |
| | CD | 5 5 1 2 4 9 0 | 4/30/98 | Walt et al. | 438 | 171 | 8/11/94 |
| | CE | 5 8 8 5 3 2 4 | 10/15/98 | Birn et al. | 435 | 8 | 4/13/94 |
| | CF | 5 8 8 7 8 2 7 | 10/22/98 | Lehman | 438 | 518 | 11/5/93 |
| | CG | 5 8 3 3 7 2 4 | 8/27/97 | King et al. | 358 | 445 | 8/29/95 |
| | CH | 5 8 3 3 9 7 3 | 8/27/97 | Walt et al. | 385 | 118 | 11/29/95 |
| | CI | 5 8 5 0 4 8 8 | 7/22/97 | Lane et al. | 530 | 334 | 8/19/91 |
| | CJ | 5 8 5 2 0 5 8 | 3/23/97 | Marcus | 428 | 403 | 1/25/95 |
| [Handwritten initials] | CK | 5 8 7 4 8 9 8 | 10/7/97 | Farling et al. | 435 | 7.92 | 3/30/95 |
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| CL | | | | | | | |
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OTHER PRIOR ART (If known, give title, pertinent known facts)

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| FORM PTO-1449 (REV. 7-80) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO.: <u>100-100000</u> <u>PARSE - can2</u> | | SERIAL NO.: <u>1 09-1768, 414</u> | |
|---|-----------------|---|----------|---|----------|--|----------|
| LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary) | | | | APPLICANT(S): <u>SEUL, Michael</u> | | FILING DATE: <u>October 17, 2000</u> <u>6/24/2001</u> | |
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| | DB | 5 7 0 0 8 9 7 | 12/23/97 | Klainer et al. | 528 | 15 | 5/30/95 |
| | DC | 5 7 7 9 9 7 6 | 7/14/98 | Leland et al. | 422 | 52 | 6/5/95 |
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| | DH | 6 0 9 0 5 4 5 | 7/18/00 | Wohlstadter et al. | 435 | 6 | 3/6/97 |
| | DI | 6 0 9 0 9 1 2 | 7/18/00 | Lebl et al. | 530 | 300 | 11/23/98 |
| | DJ | 6 2 0 0 7 3 7 | 3/13/01 | Walt et al. | 430 | 320 | 8/24/95 |
| <u>PTD</u> | DK | | | | | | |
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FORM PTO-1449
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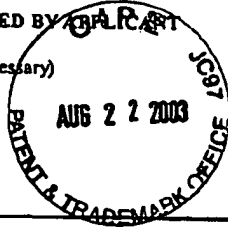
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LIST OF PRIOR ART CITED BY APPLICANT

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PARSE-con2

09/768,414

APPLICANT(S): SEUL, Michael

FILING DATE:

1/24/2001

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| <u>EQ</u> | Healey et al., "Fiberoptic DNA sensor array capable of detecting point mutations," Analytical Biochemistry, vol. 251, pp. 270-279 (1997). |
| <u>ER</u> | "Microsphere Selection Guide," Bangs Laboratories, Inc. (Fisher, IN) (September 1998) |
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FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

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SERIAL NO.:

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09/17/00, 414

LIST OF PRIOR ART CITED BY APPLICANT

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AUG 22 2003
PATENT & TRADEMARK OFFICE

APPLICANT(S): SEUL, Michael

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6/24/2001

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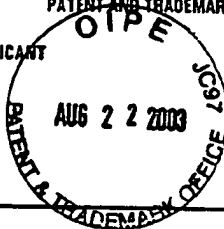
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APPLICANT(S): SEUL, Michael

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| | AN | | | | | | |
| | AO | | | | | | |
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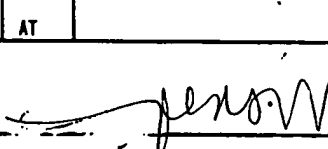
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| LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary) | | | | APPLICANT(S): SEUL, Michael | | FILING DATE: 6/24/2004 | | | | | | | | |
| AUG 22 2003 PATENT & TRADEMARK OFFICE | | | | RECEIVED AUG 26 2003 TECH CENTER 1500/200 | | | | | | | | | | |
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| | AH | 5 | 8 | 3 | 7 | 5 | 5 | 1 | 11/17/88 | Ekins | 438 | 518 | 12/23/94 | |
| | AI | 5 | 8 | 7 | 4 | 2 | 1 | 8 | 02/23/88 | Rava et al. | 435 | 8 | 04/09/96 | |
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| | | DOCUMENT NUMBER | | | | | | | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
| | | | | | | | | | | | | | YES | NO |
| (P) | AL | 9 | 5 | 1 | 2 | 8 | 0 | 8 | 05/11/95 | PCT | G01N | 21/00 | | X |
| | AM | 9 | 8 | 0 | 7 | 9 | 1 | 7 | 03/14/86 | PCT | G01N | 35/00 | | X |
| | AN | 9 | 7 | 4 | 0 | 3 | 8 | 3 | 10/30/87 | PCT | G01N | 33/543 | | X |
| | AO | 8 | 8 | 0 | 8 | 0 | 0 | 7 | 02/12/88 | PCT | G03F | 7/00 | | X |
| (P) | AP | 9 | 8 | 5 | 3 | 3 | 0 | 0 | 11/28/88 | PCT | G01N | 21/00 | | X |
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Application Number: 09/1768,414
 Filing Date: 1/24/2001
 First Named Inventor: M. S. ul, et al.
 Group Art Unit: 1641
 Examiner Name: TECH CENTER 252003
 Attorney Docket Number: 1600/2900

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| Examiner Signature | <u>[Signature]</u> | Date Considered | <u>6/24/04</u> |
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